



The GARzette

The Official Newsletter of the Gwinnett Amateur Radio Society
September 2014 <http://www.gars.org/> Volume 23, Issue 9



Wonderful Old Analog *and* Digital Radios



Learn all about DIGITAL Voice modes at our next meeting!

Message from the President

The 2014 calendar is filling up. GARS has so much going it's hard to keep track of. The October meeting will be our Massive Home Brew show. This is one of the most fun meetings of the year where members and guest bring their home brew projects. It can be anything from a small and simple interface or a big DIY project. We will make room for you. Even a commercial product that you have modified for Ham Radio or other use. Plan on being there! I always learn a lot from what others in the group are doing!



exams@gars.org and let us know you're coming. Walk ins are welcome as well. Special thanks to all of our VE team members and coordinators for their hard work.

December brings the GARS annual Holiday Party. A link will be placed on the GARS.org home page for registration soon so be looking for it. January is Tech-Fest which is well on its way to being planned and arranged for January. This is an event you don't want to miss so keep an eye out for upcoming information.

Special Thanks and 73s,

Rick, N4XYY

The 57th Annual "Jamboree on the Air", JOTA, will be October the 18th. This is a free event open to all Scouts. Boy Scouts, Cub Scouts, Venturers, Sea Scouts, Girl Scouts and the public. There is more information on the GARS.org website home page as well as a link to register for the Radio Merit Badge Class. Steve Back, WB2OGY puts a lot of time and effort in this event and he is always looking for volunteers to help out with the event.

HamCram will be October 25th. If you have friends or family who have shown an interest in becoming a Ham please invite them to the session. Our past sessions have been a great success with the last class having a 100% pass rate! This is a great way to get your Technician class license and has proven to be an entry point for new and lasting members of the club.

The B-17 "Aluminum Overcast" will be visiting the Gwinnett County Airport/Brisco Field on October 24th, 25th, and 26th. This is a beautifully restored B-17 aircraft that is touring the country. This airplane is a traveling museum of past technology and GARS intends to be involved with this visit. There will be a special events station on Saturday the 25th starting at 9:00 am and running as long as the bands and interest holds out. Come out and see this historic aircraft and participate in the event. More information on the aircraft and tour is at <http://www.eaa.org/en/aaa/flight-experiences/aluminum-overcast-aaa-b-17-bomber-tour>.

Happening every month is the GARS sponsored Amateur Radio license exam session or better known as the "VE Test Session". This happens on the second Sunday of every month at the community meeting room in the Gwinnett Fire Station #5 in Duluth. These testing sessions offer Technician, General, and Extra exams in a relaxed environment. If you are thinking of getting that first ticket or upgrading please email

"It is not the class of license the Amateur holds, but the Class of the Amateur that holds the license."

[Author Unknown]



GARS August Meeting

"Digital Voice Modes for Amateur Radio"

By John Davis, WB4QDX

Tuesday September 9, 2014

**Meetings are held on the 2nd Tuesday of each month at 7pm.
(except December)**

at

Sports Aviation Complex - Hangar 1

690 Airport Road

Lawrenceville, GA 30045

Directions

Check out the following:

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GARS Communications

2 Meter Repeater

147.075(+) MHz
82.5 PL Tone

APRS

144.390 -- 1200 Baud
W4GR

D-Star

WD4STR
145.060 + (1.4 MHz)
440.550 + (5 MHz)

Main Repeater Site
Oak Street,
Lawrenceville

2 Meter Repeater

147.255(+) MHz
107.2 PL Tone

6 Meter Repeater

53.110 (-1 MHz)
No PL tone

70 Cm Repeaters

444.525(+) MHz
82.5 PL Tone
442.100(+) MHz
100 PL Tone

Backup Repeater Site
Lanier Mountain,
Snellville

See NEW Ad on last page!

**Don't forget to support our advertisers
at the back of the
GARzette.**

The *GARzette* is the official monthly newsletter of the Gwinnett Amateur Radio Society, serving its members and other persons interested in the advancement of the Amateur Radio art.

Original articles, art, and photos are invited and encouraged. Previously copyrighted submissions cannot be accepted for reprinting unless permission from the appropriate publisher is provided in writing along with the information being submitted. If reprints are from publications allowing their unrestricted use, please include a copy of the printed permission contained in the publication.

If possible, bring your articles to the monthly meeting in Microsoft Word or rich text (.rtf) or text or HTML format or by email to n4gyn@arrl.net. Artwork can be accepted in most any graphics format and can be submitted via email to the same address. Alternate means of submittal can be arranged when necessary.

In keeping with the Amateur Radio spirit, permission is hereby granted for the reproduction of The *GARzette* articles by other Amateur Radio club newsletters provided that proper credit is given to the individual author and *The GARzette*.

The GARzette is published each month with the assistance of Norm Schklar, WA4ZXV who prints copies for distribution at meetings, etc. and Dave Bruse, W4DTR, who distributes the news letter electronically.

Deadline for submissions is the 28th of each month for inclusion in the following month's issue.

For additional information view our Website at: <http://www.gars.org>

Newsletter Editor: Ray Bailey—N4GYN
770-689-6620 or editor@gars.org



Huntsville Hamfest Review

Of the fifteen or so GARS members who attended this year's Huntsville Hamfest there were one or two who had never been before. Judging by the emails on the GARS reflector they were impressed. I know I was and I have been for the last ten years. I



only wish I could remember all I've heard and learned in those years. Because of the presence

of NASA and Redstone Arsenal there's a lot of brain power in Huntsville and those who organize this hamfest take advantage of that. If you strike up a conversation with a stranger you may find yourself talking to someone who helped put a man on the moon or works with the space station. Many of those folks are hams, most attend and many are presenters. If you have a question about anything someone has the answer and they seem glad to share it. (Then again there are a lot of Alabama fans there and that pulls the IQ levels way down. Just say "huh" a lot and they'll be very friendly)



I only attended three forums this year (29 were available) and one of my favorites

wasn't there. Dr. David Hathaway, who made a presentation at our January Techfest, has given an update on sunspot activity for many years but he has moved to the west coast. He was replaced by a standing room only presentation on lightning protection by one of the NASA scientists from Huntsville's Redstone Arsenal. Many of the forums were presented by very talented and knowledgeable people and even those presented by vendors were aimed

at informing, not selling. They knew how to get their subject across without sounding like a professor who didn't want to be there.

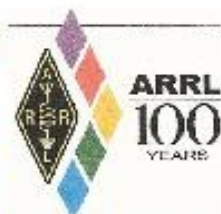
It was a great hamfest and, as others have mentioned, I would like to see a hamfest like this in Atlanta but until that happens, I'll keep going to Huntsville.



Earl Whatley—AF4FG



Letter from ARRL



The national association for
AMATEUR RADIO®

Advancing the Art and Science of Radio—Since 1914

ADMINISTRATIVE HEADQUARTERS
225 Main Street, Newington, Connecticut, USA 06111-1494
Telephone: 860-594-0200 • FAX: 860-594-0259
www.arrl.org

July 15, 2014

Gwinnett Amateur Radio Society, W4GR
P.O. Box 88
Lilburn, GA 30048

Dear Friends:

On behalf of the American Radio Relay League, thank you for your memorial donation in honor of your friend, Ira Louis Shulman, KJ4DRW, in the amount of \$100.00. Your contribution honoring Mr. Shulman is a fitting tribute in his memory.

We will notify Helen Shulman of your donation.

Your support of ARRL through your memorial contribution and your support for the work of the ARRL will ensure that your national association will remain financially strong and will be able to explore new services to expand your enjoyment of the Amateur Radio service.

Thank you so much!

Sincerely,

C)-CI-

Lauren B. Clarke, KB1YDD
Individual Giving Manager

Thank you to all your members for this thoughtful gift -

ARRL is an IRS-designated 501 (c)(3) organization holding federal tax identification # 06-6000004. Accordingly, your contribution may be tax deductible to the extent allowed by law. No goods or services have been provided for this contribution.

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AMERICAN RADIO RELAY LEAGUE, INC.—International Secretariat of the International Amateur Radio Union

Royal Order of the Wouff Hong

The Wouff Hong (pictured on the certificate) is an object of such awesome terror that decency prevents me from describing its use.

But its purpose is to punish bad operators (lids). Having traversed the fearsome path and battled foes such as QRM and QRN, I was admitted to the Royal Order of the Wouff Hong by High Potential.

The tradition started when an anonymous writer calling himself "The Old Man" began calling out bad behavior by satirizing and belittling such behavior in QST. TOM was said to have heard the Wouff Hong being used on some hapless offender amid the howls of QRM as he tuned the bands -- which at the time were full of rotten operating practices.



The Wouff Hong was/is a symbol promoting decency and courtesy among our fellow hams. It was later disclosed that The Old Man was Hiram P Maxim, W1AW himself. In 1919 "The Old Man" wrote in QST "I am sending you a specimen of a real live Wouff Hong... Keep it in the editorial sanctum where you can lay hands on it quickly in an emergency." The "specimen of a real live Wouff Hong" was presented to a meeting of the ARRL Board and the Board voted that the Wouff Hong be framed and hung in the office of the Secretary of the League.

The ceremony can only be conducted at State, Division, or National Conventions. It is often conducted at midnight; however, our ceremony started earlier in recognition of bed time for most of us. One must be an ARRL member to attend. The characters in the ceremony are The Old Man, High Potential, QRM, QRN and XTAL. A novice is chosen from the audience to be the representative of all of us who wished to be inducted. The roles require costumes and a lot of rehearsal to perfect. The ceremony was very memorable and at the conclusion we all learned the secret handshake and password. If you ever have the opportunity to be inducted, I encourage you to go for it.

Inductee representative holding the flame...
Representing us who were inducted into the Wouff Hong Society

Many thanks to our cast of characters in Huntsville:

Bob Allphin, K4UEE – The Old Man
Karen Manno, KG4ZGU – High Potential (Spirit of Ham Radio)
Joe Eisenberg, K0NEB -- XTAL
Wes Lambole, W3WL -- QRM
Paul Manno, KG4UVU – QRN
Gary Hedden, W8JFP -- The Novice

73,

Mike, ND4V



Antenna Learning Experience

Well I had a learning experience with an antenna I used for my FT817.

We purchased a camper last month and decided to go have some fun. We plan to retire by the end of this year and want to go out and see this beautiful country we live in. When I purchased the FT-817ND and the FT-450D I had this in mind because I knew we would be doing lots of traveling and camping when we retired. The FT-817ND is also a good emergency radio since it requires so little power and covers so many bands. Plus I like Yaesu. :-)

The portable antenna I purchased to use with the 817 was the MFJ-1899T. It attaches directly to the radio with a BNC connector. It has a wand lead to tune in different bands plus you adjust the antenna length. I've used this radio at home with my G5RV and the rotatable dipole I have and had a lot of success with it with just 5 watts or less, but I never had a chance to use the little antenna much. I tried it a couple of times in the back yard but didn't have much success with it at all.

This portable antenna comes apart in 2 sections and fits nicely in a bag that I use to carry the 817. I carry all the necessary tools, hardware and wire I need in that bag other than coax since I only had RG8 to be able to try and set up this antenna separate from the radio.

When the antenna is attached to the radio and I use a single wire ground radial I can tune very nicely but I can't seem to be able to make any contacts with it. I decided to separate the antenna away from the radio and move it a little higher up and further away from the camper but I wasn't able to get it work. I wasn't able to get the SWR's low enough to use. I only had 1 wire for a ground radial that I used when the antenna was attached directly on the radio.

Well needless to say I ended up just putting the small 2 meter antenna on the radio and gave up on any HF work.

When we got home I decided to work on a configuration that would work using this antenna away from the radio. That way I would have the best of both worlds. Portable for backpacking and stationary work with a single antenna.

I went in the garage and pulled out an old 7ft tall aluminum light stand I used 35 years ago when I was a photographer. I took some aluminum angle bracket and cut

it to make a mount for that antenna and bolted it to the stand. I took it out into the back yard and went to work trying to get that antenna to transmit on HF without being mounted directly to the radio. I simply kept adding more ground radials. On 20 meters I used 5 radials of 18 gauge wire about 15ft long attached to the bottom of the stand with alligator clips. It took me a little while to get the right combination by adding more and more radials and adjusting the lengths to make it work but I finally did get it to work with a 1:1 SWR.

I finally got me a chair and a bottle of cold water to celebrate with and sat down and started to try and work 20 meters with only 2.5 watts because of a low battery. I heard Rooney in Jamaica on the Maritime net and gave him a shout. To my surprise he came right back and gave me a good signal report. Then I changed the frequency and got a good report from NY. This was in about 10 minutes. Needless to say I was happy with the results and took it all down since it was hot and I was sitting in the sun and my battery in the radio was weak. I had forgotten to charge it and my back was killing me. I put it back in the bag and now I'm ready for my next camping trip. Of course I charged the battery too. Those contacts were the first contacts I ever made with this antenna.

It would take a lot of wire to work 40 and 80 meters so for now I'll just stay between 6 and 20 meters. I haven't tried 80 meters even though the antenna is supposed to work on that frequency because I didn't have enough wire for the ground radials. I may try it on my next trip but only with the antenna attached directly to the radio since the ground radials will be very long.

I read in one forum on the internet about using ground radials with this type of setup and most say it won't work well because most of your signal just goes into the ground. One guy said you just radiate the worms. But I figure that with just 5 watts I won't kill any worms. I'll just upset them. If all else fails at least I know the worms will hear me. There are some hams that carry these radios in their backpacks and drag the ground radial behind them. I may try that the next time since the wife and I like to hike sometime. Of course it won't be 40 or 80 meters since that would require a very long wire.

I looked at several different antenna options like the Budipoles. Maybe one day I'll invest in one of those nice antennas once I decide on the one I want to use.

(Continued on page 8)

Maker Fair - Oct. 4th & 5th 2014

The Georgia Section of the ARRL will have a series of tents at the Maker Faire Atlanta. <http://makerfaireatl.com/>

The purpose is to introduce and recruit folks into Ham Radio. There is a lot of conversation about the age of Amateur Radio Operators, and we're trying to do something about it. For more reasons than one, the date isn't the best for some of us, but it's when it is and we want to take maximum advantage.

We will have CW, Real Teletype, Satellite, Electronic Gadgets, A Kit Build, an educator recruitment area and a Special Event Station. And as you can guess, we need some help. Since it starts at 10:00 on Saturday, I'm guessing we need to be there about 8:00 to get setup. If it works for you to be there to help setup, you can stay just until 10 or so and leave. However, you are more than welcome to stay.

GARS needs 2 operators at the Special Event HF Station. This can be broken up into two or three shifts on Saturday and maybe 2 shifts on Sunday. The reason for two operators is one to operate and the other to talk with guests.

Additionally, we need help with all the other activities. It would be nice to have 4 GARS or ARES members on site. At this time the clubs involved are Alford, ARC, NFARL and GARS. If you can help, I would appreciate an email to wa4zxv@arrl.net.

73,

Norm, WA4ZXV wa4zxv@arrl.net

ARRL, Georgia Section
Public Information Coordinator (30 Points)
GARS Special Event Chair

Antenna Learning Experience (Cont'd)

(Continued from page 7)

Of course I'll have to convince my XYL that it's a necessary evil and that'll be harder to do now. I really don't want to have to string wire up in the trees and have to mess with tuners. If I want to do that then I'll bring the FT-450D. Of course the 450 will travel with us once I get a better antenna since this little antenna I have only handles 25 watts. So for now my little rig works for me. It's not very attractive but it seems to work, at least in the back yard. So this little \$80.00 antenna wasn't a bad investment after all at this point. I will have to use some smaller coax though. the big RG8 puts a lot of stress on the stand. I have some RG58 I want to try but I do need to purchase some PL259 connectors for it. My next trip to Radio Shack will take care of that.

I know this sounds a little silly but with 20 meter band conditions the way they are now and with only 2.5 watts being able to make a contact in Jamaica with this setup I felt pretty good about it.

Despite not being able to work any HF on this last trip we made we still had a great time though.

We plan another trip at the end of September and I'll be taking the FT-817ND along with the MFJ-1899T antenna and the little light stand and lots of little wire. I'll see if it works and let ya know.

Sorry I wasn't able to work with my friends at the Dog Show. We were up in North GA on vacation camping.

73,

Charlie, K4YDB

What is JOTA ?

57th ANNUAL JAMBOREE ON THE AIR (JOTA)

October 18th from 9:00 AM – 3:30 PM at
VFW Post 5255, 368 Grayson Highway,
Lawrenceville, GA 30046



For directions please go to
<http://goo.gl/maps/8b4zx>

This a free event that is open to all Cub Scout, Boy Scout, Ventures, Sea Scout, Girl Scout & the general public. We will be offering a Radio Merit Badge Classe at JOTA. Registration is now open at <http://meritbadge.info/mbn/EventDetails.aspx?mode=preview&ID=BA85489F-1158-4BFE-A562-0EFC42D67708>

Come learn and have fun at JOTA 2014. JOTA is an annual Scouting event that uses amateur radio to link Scouts around the world, around the nation, and in our own community. Scouts of any age can participate, from Cub Scouts to Boy Scouts, Venturers and Girl Scouts. This is the official JOTA site of the Northeast Georgia Council Amateur Radio Club KK4BSA. For more information on what's going on at JOTA 2014 please visit <http://www.kk4bsa.info/events/JOTA/>



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Gwinnett Amateur Radio Society



Gwinnett ARES



Venture Crew 73



NEGA Amateur Radio Club

Beginner's Corner

A Birthday Gift!

I recently received a nice birthday gift, a Baofeng UV-5R two meter/440 HT (handy-talkie). Thank you KK4VLR! Well, I was elated to receive it, and decided to give it a first-hand review. Up until now, I had to rely on the thoughts from others on this radio. Upon opening the box it came in, I noticed that it has a metal case. Even my much more expensive Kenwood HT has a plastic case. I was impressed. The second thing that impressed me was that I did not have to charge the battery. It was charged right out of the box. There is nothing so aggravating as getting a new radio and then having to wait until the next day for the battery to charge so that you can use it. I had this with my very first HT. Grrrr! I don't know if they all come like that, but mine did. This is a small radio that fits in a shirt pocket. The makers packed a lot of radio into a small size and did a good job at it.

Apparently you have to change the language of the voice in the radio to English on some of the Baofengs, but mine came already set for English. It is a pleasure to hear the radio tell you what buttons you are pushing. This radio would be great for a print handicapped person. You have two modes, channel or frequency. I punched in the frequency for the national VHF simplex calling channel, 146.520. yes, you have to punch in the last zero for the radio to recognize the frequency, but that is only a minor annoyance. We had to set the spacing, because when I punched in the numbers, they came up as 146.500, even though the radio said 146.520. Thanks to Allison, KK4VLR who helped me correct this problem.

OK, let's get on the air! KK4VLR and WRQR both have Baofengs. We were together on a Saturday morning when I received my gift. We all went outside and were able to get on the air. What fun getting a new rig and getting on the air with it within 30 minutes! Try that with a more expensive HT. Oh, yes, this radio receives FM broadcasts and has a built-in flashlight.

Warning: if you are a new ham, this radio does take a bit of getting used to. You will most certainly be frustrated trying to operate the radio by yourself. Get an Elmer to help you! Numerous GARS members have Baofengs, and will be willing to help.

I have heard that you should not read the manual. I would certainly not follow anything past page 08. The first few pages are the only useful ones.

Programming the radio. I wanted to get something more than the calling channel into the radio. I was given the programming cable, which contained a mini-CD labeled "Driver". I popped it into my computer, and looked for Baofeng. Nothing. I looked at the "Read Me" file, but it was all in Chinese. Since I do not speak Chinese, it was useless to me.

Go to the <http://miklor.com/> web site. There is a lot of good information there. I found the proper driver, and a whole lot of valuable information. I am still learning how to program it. We will have more on that later.

73,

David Harden

KJ4CMY



A Blast from the Past

From QST February 1950

in E.E. and now has more time
ow is on battery power. EXI has
rig. The call K&FAD has been
phone, 7-, and 14-Mc. c.w. rig
the 1914th Squadron of the world-
Communications Service (AACS).
125, DAE 102, CBI 98, PNY 52,
EN 38, PMJ 37, WE 29, PUN 24,
7, EQN 12, ROX 11, WAB 10,
CP 6, DZO 5, OUR 3, IVC 4,
2, UW 1.

W DIVISION

—SCM, Fred Skinner, W2EQD
P, CLL, EQD, PHO, and TYC
certificates for NYS Net op-
again this month and is new
ports into 2RN, CAN, MAN
, and YGW are NCS for NYSS
of the Orange County Net
days at 9 p.m. EST on 146.25
NCS. PCQ is spending most of
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160-meter bandswitching rig.
cublet with permanent wave
or spreaders. He only has ten
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b. RYT spoke at the RPI
Range Speech Amplifiers.
a activity on 50 Mc. from the
gangs. BRS was in the 1949
sec: W2CLL 612, TYC 233,
QD 17, PCQ 8, BRS 1.

LONG ISLAND —SCM,
SEC: BYF, RM: TYU. The
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EC FI, is going great guns.
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received his Section Net
flowing stations operating
85-Mc. phone: BTC, MZB,
2995 kc. PF got new 32V-2
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counters are FI and JZX.
S-50A and made Class III
committee, put on a good
Island Radio Clubs' party.
earned A-1, WAC-c.w.
r old friend, DGJ, now is
likes UHF Club members
9 kc. The UHF Club's new
s: ZEO, vice-pres.; ZPG,
rr. secy.; ZEO and TZU,
Suffolk County. The Sun-
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a again so the gang will
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t net at 1900, Mondays
7, prexy of the Tu-Boro
wound up with a dipole
t results. BVL, Nassau
the recent SS Contest.
G&GM on Mondays and
QI is attending Stetson
red ORS appointment.
of his life QSOing F8ZW
cts. Charley earned his
ing on 220 Mc. The
on boasts 220 members
s are from VE, W, XE,
officials are: FX, pres.;
ry.; and BW and WZ.
Club recently elected
sec: PKD, secy. ORS
XT, BO, RQJ, PZE,
t appointment. Traffic:
C 125, OUT 65, OBU
23, YIR 18, JBQ 16.

SCM, Thomas J. Ly-
lease send all EC ap-
w. net meets Monday
m. VQL has new final
modulated. EWZ now
HUK, GJC, GKC,
UCARA AEC drill.
on 144 Mc. ZF has
IN is using electronic
(4)

Illustration at top is a B&W
Band Hopper. Lower illus-
tration shows B&W turret
assembly.

TRANSMITTING TURRET ASSEMBLIES

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These handy B&W turret assemblies for transmit-
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BARKER & WILLIAMSON, INC.

237 FAIRFIELD AVENUE, UPPER DARBY, PA.

GARS Membership Page

New GARS Members in July

Charles Adams (KV4VT)
Robert Kimsey (KM4BHK)
William Kincheloe (KM4DRT)

New Members: 3

**Total Members as of September 1, 2014
- 286-**

Join us for our weekly breakfast gathering at
7:30 AM most Saturdays at:

Golden Corral
2155 Riverside Parkway
Lawrenceville, GA 30043
([Directions](#))

Also, before our Tuesday meeting you are invited to join
other GARS members and guests dining at:

The Flying Machine (starting about 5:30 PM)
510 Briscoe Blvd. NE
Lawrenceville, GA

**The following members are
celebrating birthdays
in September:**

HAPPY BIRTHDAY!!
From All of Us at GARS

Karen Albritton (KI4HPP)
Sherryl Bailey (N3MIU)
Octavian Craiovan (K4ASH)
Pierre Decatrel (WB1EZK)
James Digby (KK4BWE)
James Drumm (N2FOF)
Jim Farmer (K4BSE)
Roger Gibson (WB4T)
Neal Gilchrist (W4HNG)
Jim Glaeser (WB4ZTH)
Van Hill (KK4GGC)
Fred Hoefler (W3TLC)
Richard Kimsey (KK4VRM)
Greg Mauldin (AF4RZ)
Pamela McMurray (KJ4WEI)
Dennis Nichols (WB4TID)
Jake Paul Pannell (K4XRA)
Patrick Pike (KJ4AXD)
Justin Pike (KJ4AXF)
Al Seaman (WA2CBM)
Michael Sowinski (KD2BBP)
Donald Stewart (KK4VLO)
John Stockinger (KC4RFK)
Samuel Thomas (AB4HZ)
Richard Waigand (K4KME)
Carter Wood (AG4LK)
Carl Wulfestieg (WZ4CW)

GARS MEMBERSHIP

Your current GARS membership status is shown in the monthly newsletter email towards the bottom .

To become a GARS member, or to renew your GARS membership, please visit our website—<http://www.gars.org>

To make changes to your GARS membership (moved, new email address, new phone number, etc.),
please email the Membership Committee - membership@gars.org

You can **renew or update** your Amateur Radio license information with the FCC at their website for free
<http://wireless.fcc.gov/uls/index.htm?job=home>

To update your ARRL information, please visit their website - <http://www.arrl.org>

Membership Chairman: Karen Albritton, KI4HPP
Committee Members: Richard Atkin, KJ4ZTY.

Net Managers Corner

Hello again everyone, from N4LNE, GARS Net Manager.

GARS NEEDS YOUR HELP

GARS is a great Amateur Radio service club and we have the membership and awards to prove it. Our club is a very busy and active club and we use the Monday night net to get the information out to our members. We need weekly participation to make our net function and to keep them interesting. We have a very small group of very dedicated people that make the net happen each week but we need more help.

Out of over 286 members we have **only eight primary people** that run the net every Monday Night. In no particular order they are:

Norm - WA4ZXV	Mitch - N0DIM
Hal - W4IGE	Don - KK4VLO
Ray - N4GYN	
Sandy - KJ4DRO	
John - WB4QDX	
Bill - KK4AUA	

I need 40 people to fill NCS and ANCS positions. The schedule is planned and posted months in advance and is flexible. If your plans change we can and do make adjustments to make it work, and I make those changes happen as soon as I am notified of a problem. I also send out reminders each week to let you know you are scheduled for the next Monday night net. In short we make it simple. All you need to do is show up, read the script, take a few notes and forward the information to me for record keeping.

Please lend a hand and contact me at the monthly GARS meeting or by sending me a message via the [Mentors & Elmers](#) page on the web site at www.gars.org. Signup to help support the effort that makes GARS the great club that it is.

73' See you on the Nets!

Phil McCleary, N4LNE

Net Manager



**Don't miss the "KNOW IT ALL" Net
Wednesday nights, 8:30-9:30 pm**



We have moved to a new format. We begin with current events and announcements. Then we Introduce New Technology. Then we have check-ins and general discussion. Post net is Rag Chew format.

Jeff—AB4HF

Everyone is having great fun on this net! Come join us and become a "KNOW IT ALL".

**TIME: 8:30 every Wednesday evening on the GARS repeater - 2m 147.075 +, PL 82.5
6m 53.110 - No Tone
70cm 442.100 + PL 100.0**

ARRL CONTESTING INFO

(All names of contests are Links in .pdf version)

SEPTEMBER

13-15 [September VHF](#)

20-21 [10 GHz & Up- Round 2](#)

OCTOBER

11-12 [EME - 2.3 GHz & Up](#)

20-24 [School Club Roundup](#)

NOVEMBER

1-3 [Nov. Sweepstakes – CW](#)

8-9 [EME - 50 to 1296 MHz](#)

15-17 [Nov. Sweepstakes – Phone](#)



.....September VHF:

Objective: For amateurs in the US and Canada (and their possessions) to work as many amateur stations in as many different 2 degrees x 1 degree Maidenhead grid squares as possible using authorized frequencies above 50 MHz. Stations outside the US & Canada (and their possessions) may only work stations in the US (and its possessions) and Canada.

Stations in KH0-9, KL7 & KP1-KP5, CY9 and CY0 count as W/VE stations and can be worked by DX stations for contest credit.

.....10 GHz & Up-Round 2:

The **objective** of 10 GHz and Up is for North American amateurs work as many amateur stations in as many different locations as possible in North America on bands from 10-GHz through Light. Amateurs are encouraged to operate from more than one location during this event. See the detailed rules for restrictions.

.....EME—2.3 GHz & Up:

Objective: To work as many amateur stations as possible via the earth-moon-earth path on any authorized amateur frequency above 50 MHz.

.....School Club Roundup:

Objective: To exchange QSO information with club stations that are part of an elementary, middle, high school or college. Non-school clubs and individuals are encouraged to participate.

Sponsored by the ARRL, its Hudson Division Education Task Force and the Long Island Mobile Amateur Radio Club (LIMARC) to foster contacts with and among school radio clubs.

Award certificates will be issued for the following US and DX categories:

HAMFEST CALENDAR

Southeast US

10/11/2014 | [ARC of Augusta, GA Hamfest](#)

Location: Blythe, GA

Type: ARRL Hamfest

Sponsor: Amateur Radio Club of Augusta

Website: [http://](http://www.theamateurradioclubofaugusta.org)

www.theamateurradioclubofaugusta.org

10/11/2014 | [La Grange Hamfest](#)

Location: LaGrange, GA

Type: ARRL Hamfest

Sponsor: La Grange Amateur Radio Club

Website: <http://www.lagrangeradioclub.org>

10/18/2014 | [Lake Hartwell Hamfest](#)

Location: Anderson, SC

Type: ARRL Hamfest

Sponsor: Anderson Radio Club

Website: <http://www.andersonradioclub.com>

11/01/2014 | [Georgia State Convention \(Stone Mountain Hamfest\)](#)

Location: Lawrenceville, GA

Type: ARRL Convention

Sponsor: Alford Memorial Radio Club

Website: <http://stonemountainhamfest.com>

11/08/2014 | [Alabama State Convention \(Montgomery Hamfest 2014\)](#)

Location: Montgomery, AL

Type: ARRL Convention

Sponsor: Montgomery Amateur Radio Club

Website: <http://hamfest.w4ap.org/>

01/10/2015 | [Techfest 2015](#)

Location: Lawrenceville, GA

Type: ARRL Convention

Sponsor: Gwinnett Amateur Radio Society

Website: <http://www.gars.org>

BSA Venture Crew 73 Wants You!

IF YOU are between 14 and 21 years old, enjoy outdoor activities, and have an interest in radio technology, **Venture Crew 73 is for you.**

- Venture Crews are part of the Boy Scouts of America.
- *Venture crew 73 is chartered by the Gwinnett Amateur Radio Society.*
- Venture crew 73 is coed.
- *Meetings are on the second Tuesday of the month, 7:00 pm, at EAA 690 Hangar at:
Briscoe Field - Sports Aviation Complex
Hangar 1, 690 Airport Road
Lawrenceville, GA 30045*
- Crew 73 is a youth-run organization, which means that our Crew President and other youth plan the Crew's outings and activities each month.

We enjoy:

- ◊ *Camping*
- ◊ *Hiking*
- ◊ *Horseback Riding*
- ◊ *Shooting Sports*

- Crew activities usually mix high adventure and the use of Amateur Radio.
- For more information, attend our next meeting or contact:

Steve Back, WB2OGY

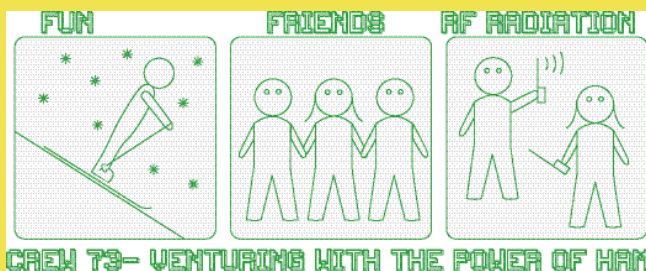
Venture Crew 73 Committee Chairman
Phone: 770-712-9069

Email: committeechair@venturecrew73.org


















Jeff Lee, AF4JL

Venture Crew 73 Advisor
Phone: 678-475-3165




Email: advisor@venturecrew73.org



G A R S Officers and Committee Chairs

Rick Cobb, President	N4XYX	
Mike Weathers, Vice President	ND4V	
Allison Lynch, Secretary	KZ3JFY	
Sid Weaver, Treasurer	N4NQ	
Mike Smith, Program Manager	KK4KHS	
Karen Albritton Membership Chairman	KI4HPP	
Dave Bruse, Ham Exam Team Leader	W4DTR	
David Adcock, Webmaster, Field Day Chairman	KA4KKF	
Dorothy Jubon, Public Information Officer	N2DLJ	
Ralph Pickwick TechFest Chair, Apparel Mgr	KJ4CNC	
Ray Bailey, GARzette Editor	N4GYN	
Jeff Cutchins Multimedia Chairman	AB4HF	
John Ackermann, W4GR Trustee	N8UR	
Eddie Foust, Repeater Chairman	WD4JEM	
Mike Weathers, WAS-Checker, Historian	ND4V	
Phil McCleary, Net Manager, ELMER Chair	N4LNE	
Mike Swiderski, Technical Advisor	K4HBI	

DIRECTORS

Kyle Albritton	W4KDA	
David Adcock	KA4KKF	
Norm Schklar	WA4ZXV	

Scott, KD4YDD, found a great story! Read all about it!

Making Contact In The 'Olympics' Of Ham Radio

<http://onlyagame.wbur.org/2014/08/09/wrtc-radiosport-ham-radio>



“The plate has how many volts on it again?”

(Thanks Bill-WA2DVU via 72Chew Newsletter)

How many read the GARzette?

Recently I asked several members of GARS if they had read A Reunion via “Remote Hams” in the May issue, and none of them had seen the article. I’m looking for feedback re: how many folks are able to find time to read the GARzette. N4GYN-Editor

GARS Recurring Calendar

- ◆ Monthly club meeting is the 2nd Tuesday of the month at 7 pm
- ◆ Every Monday at 8 pm: GARS Want, Swap, Sell, and Information Net on the GARS 2-meter repeater
- ◆ Every Wednesday at 8:30 pm: GARS Know It All Net on the GARS 2-meter repeater
- ◆ Every Saturday at 7:30 am: GARS Weekly Family Breakfast, Golden Corral Restaurant, Riverside Drive, Lawrenceville

- Rick, N4XYY started the meeting at 7:00 p.m.
- First time visitors and attendees were recognized.
- License Class upgrades were recognized.
- Sid, N4NQ gave the treasurer’s report. Voting was conducted and the report was accepted.
- The membership report was given by Karen, KI4HPP. GARS has 284 members.
- The dog show fundraiser is August 21st, 22nd, 23rd, and 24th. Help is needed. Please sign up for 2-4 hour shifts. There is an online signup link on the GARS website home page. Help is especially needed for Sunday, August 24th.
- Amateur Radio Parity Act/HR-4969: Affords amateur operators the ability to construct reasonable antenna structures within covenant and deed restricted properties. Please write your congressperson. See www.arrl.org/hr-4969 for more information, and also to find out which congress person is in your area. Sign the letter and send it to ARRL. The ARRL will hand deliver the letters. A webinar is coming up regarding the Parity Act – see the ARRL website.
- Field Day figures: Total QSOs: CW, 1100; Digital, 348; Phone, 1534; Total, 2982
- Total points: CW, 2200; Digital, 696; Phone, 1534; Total, 4430
- Bonus points: 1710
- Total claimed score: 8860
- GARS has signed up for the Amazon Smile program. Customers can choose an organization to receive a percentage of their purchases. Go to Amazon Smile and search for Gwinnett Amateur Radio Society. There is also a link on the GARS website.
- Thank you notes were received from Helen Shulman and family thanking GARS for support, thoughts, prayers, flowers, etc. after the passing of Louis Schulman. Also, the VE team received a thank you note for the donation in Louis’ name.
- Ralph, KJ4CNC announced that Oct. 25th is tentatively set for the next HamCram. Lunch will be provided. John, WB4QDX and Ralph, KJ4CNC, will be the teachers.
- Norm, WA4ZXV announced that on Oct. 4th and 5th, GARS will have an exhibit at the Maker Faire in Decatur.
- Steve, WB2OGY announced that the Venture Crew is looking for new members. Oct. 19th is Jamboree on the Air weekend. There will be a radio merit badge class. Everyone is invited. Assistants will be needed. An email will go out on the GARS reflector.
- Rich, K7SZ made an announcement about rocket launches. Email K7SZ@live.com for more information and see www.SOAR.org.
- Break
- We had a wonderful program about the Amsterdam Island DXpedition by Bob Allphin, K4UEE. A plaque was presented to Bob.
- Drawings and prizes
- There were 67 attendees present.
- The meeting adjourned at 8:58 p.m.

Allison Lynch, KZ3JFY, Secretary

HamCram Technician License Class Saturday, October 25th 2014

This is an entry level study session. You will need study materials in advance of the session. We use the Technician Class by Gordon West. It is available from many sources including Ham Radio Outlet in Doraville. There is no charge for the class, but there will be a \$20 charge for lunch and the Technician license exam immediately following the class. There is a no refund policy for no shows. Read more to [register for class](#).

Location is at the EOC , 800 Hi-hope Road Lawrenceville.

[W5YI](#) for more information on Testing, etc..... For more information on the test session [click here](#) to email the instructors. Study: 8:00am to 5:00pm -- Thirty Minute Lunch Break. -- Exam Session: 5:00pm to 7:00pm

*** Pre-registration is Required *** Register via PayPal ***

There is a no refund policy for no shows.

http://www.gars.org/w4gr/index.php?option=com_content&view=article&id=131:ham-cram-2&catid=32&Itemid=101

GARS CALENDAR OF EVENTS FOR SEPTEMBER 2014

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	1 - LABOR DAY - 8:00 - 8:30 pm GARS 2m Net	2 6:30 - 8:00 pm GARS Exec Meeting	3 8:30 - 9:30 pm GARS Know-It-All Net	4	5	6 7:30 - 9:30 am Breakfast at Golden Corral Riverside Drive
7	8 8:00 - 8:30 pm GARS 2m Net	9 5:00 - 6:30 PM Dinner at Flying Machine 7:00 - 9:00pm GARS Meeting	10 8:30 - 9:30 pm GARS Know-It-All Net	11	12	13 7:30 - 9:30 am Breakfast at Golden Corral Riverside Drive
14	15 8:00 - 8:30 pm GARS 2m Net	16	17 8:30 - 9:30 pm GARS Know-It-All Net	18	19	20 7:30 - 9:30 am Breakfast at Golden Corral Riverside Drive
21	22 8:00 - 8:30 pm GARS 2m Net	23	24 8:30 - 9:30 pm GARS Know-It-All Net	25	26	27 7:30 - 9:30 am Breakfast at Golden Corral Riverside Drive
28	29 8:00 - 8:30 pm GARS 2m Net	30				

Metro Testing Sessions	Ham Exam Results	Metro Club Meetings
<p><i>GARS publishes Metro Atlanta VE exam schedules as a service and is not responsible for errors or changes. Call and confirm schedules before going. All sessions are walk-in. Take copies of current license and certificate of completed elements with you to all sessions. Find additional sessions online at http://www.arrl-ga.org.</i></p> <p>First Sunday, ODD Months 2 pm (Jan, Mar, May, Jul, Sep, & Nov) WCARS VEC Braselton Public Utility Building 4986 Highway 53, Braselton, GA Roger Gibson, WB4T (770) 271-4210 or (770) 712-9560 w4rlg@bellsouth.net</p> <p>First Sunday, EVEN Months 2 pm (Feb, Apr, Jun, Aug, Oct, Dec) WCARS VEC Hall County EOC 470 Crescent Dr. Gainesville, Ga. Perry Roper, KO4RD (770) 536-3056</p> <p>Second Saturday, ODD Months VEC: ARRL 8:30 a.m. Stone Mountain GAGMC Community Ctr 5325 Leon St. Stone Mountain, GA Bob Varone, W4ETN (770) 978-3179</p> <p>Second Sunday VEC: W5YI 2 pm Gwinnett County Fire Station #5 3001 Old Norcross Road Duluth, GA 30096 Contact: Dave Bruse, W4DTR Email: exams@gars.org</p> <p>Third Saturday VEC: W5YI 2 pm (Except December) Lifeway Church 1654 Atlanta Highway #109 Steve Donellan, N5SMD (404) 520-0368 Email: n5smd@comcast.net</p> <p><i>(cont. next column)</i></p>	<p>We had a very successful and pleasant test session today 10 August 2014.</p> <p>6 applicants tested and 6 upgraded.</p> <ul style="list-style-type: none"> - 3 New Technicians - 2 Upgraded to General - 1 Upgraded to Extra <p><u>Thanks to the following VE's:</u></p> <ul style="list-style-type: none"> - Mark Fehlig, WA6NGC (Co-CVE) - Sid Weaver, N4NQ - Don Bagby, KK4NJM - Jim Webb, W4NTA - Rick Cobb, N4XYX - Frank Haynes, KV4SP <p><i>73, Mark Fehlig</i> WA6NGC</p> <p>Email: exams@gars.org</p> <p>GARS VE Website: http://groups.yahoo.com/group/GARS_VE_Team/</p> <p>Fourth Tuesday ARRL VEC 7 pm @ United Way Service Center 6279 Fairburn Rd., Douglasville Jessie Clower, KB4WFK (770) 942-6466</p> <p>Fourth Sunday 2:30 pm Georgia Tech VanLeer Elec. Building Rm. W218, 777 Atlantic Dr. See www.w4aql.com Alexander G. Carver (404) 894-2936 acarver@ece.gatech.edu</p>	<p>First Tuesday Kennehoochee ARC Downtown Marietta Fire Station #1, Training Room 112 Haynes Street Marietta, Georgia 30060 Meeting begins at 7:00pm Talk In 146.880(-)</p> <p>First Thursday Atlanta Radio Club Georgia Red Cross HQ 1955 Monroe Dr., Atlanta Meeting is at 7:30pm Talk In -146.820(-) N.E. Georgia ARC Commerce Public Library Meeting is at 6:30pm Talk In - 147.225(+) PL 123.0</p> <p>Second Monday Georgia Tech ARC Room W218 Van Leer Electrical Engineering Bldg. Georgia Tech Campus Meeting at 7:00pm</p> <p>Second Thursday Alford Memorial Radio Club Annistown Road Baptist Church Intersection of Annistown Rd & Spain Rd Stone Mountain Dinner at 6:00pm Meeting at 7:30pm Talk In - 146.760(-)</p> <p>Second Saturday North GA QRP Club Board Room of The Shepherd Center at 2020 Peachtree Rd, NW, Atlanta at 10:00 AM</p> <p>Third Tuesday North Fulton Amateur Radio League Alpharetta Recreation & Parks Dept Alpharetta Adult Activity Center 13450 Cogburn Road Alpharetta, GA 30004 meeting at 7:30pm Talk In - 145.47(-) For more, go to: http://www.gars.org/</p>

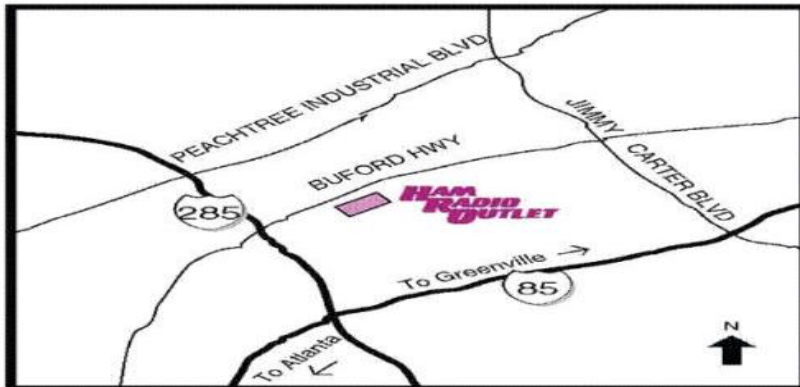
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HAM RADIO READY!



1915 Oak Wind Ln
Buford, GA 30519

Offered at \$222,900

GAMLS ID: 7299150
Oak Wind
2,603 sqft.
4 Bedrooms
2 Full Bathrooms
1 Half Bathrooms

Hot buy in great school cluster! Home has 47 foot tall Rohn 25G guyed tower; radio room in the basement is wired with two 240 VAC circuits for amplifiers and has an underground buried conduit for cables to the base of the tower. Rotator, mast, antennas, etc. on the tower are negotiable. Lots of square footage on full basement. 2 story foyer/hardwood floors. Kitchen remodeled 4 years ago with new stainless steel appliances including convection oven, granite counters, stained cabinets, custom tile backsplash. Large breakfast area, dining room, separate living room, family room w/gas fireplace. 3 finished rooms in basement as well as huge workshop/storage area. Ham radio tower will be removed by seller prior to close. Great location near Kroger, 5 minutes to Mall of GA.

View this property at: <http://7299150.GeorgiaMLS.com>

Bill Gambrell
COLDWELL BANKER RESIDENTIAL BR
Phone: 678-458-3494
Office: 770-623-1900
E-mail: bill.gambrell@coldwellbankeratlanta.com



Information is provided courtesy of COLDWELL BANKER RESIDENTIAL BR, and is deemed reliable but not

GAMLS ID: 7299150

Oak Wind

2,603 sqft.

4 Bedrooms

2 Full Bathrooms

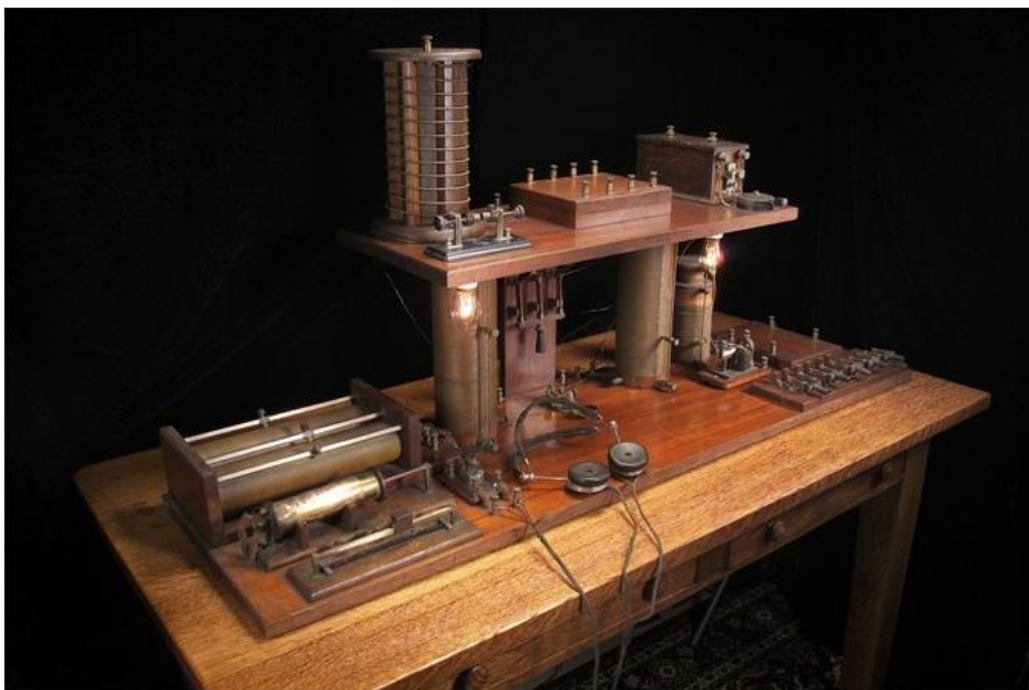
1 Half Bathrooms

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View this property at: <http://7299150.GeorgiaMLS.com>

William Gambrell
Coldwell Banker Residential Brokerage
11035 Medlock Bridge Rd Ste 70
John's Creek, GA 30097
Office: 770-623-1900 Fax: 678-922-7376 Cell: 678-458-3494
E: bill.gambrell@coldwellbankeratlanta.com

Another Picture From Radio's Past



This beautiful Spark Set was constructed circa 1907. The spark transmitter is on top, the receiver, using a galena crystal and carborundum as the detector, is located on the bottom left. It is assumed that the telegraph sounder was used with a land line. More research on the origin of this set is needed.